

Replacement Sheet

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ABSTRACT

A transmitter and method to output a stable output signal having low distortion by adjusting a delay time of an amplitude signal path and a phase signal path. In an amplitude phase extracting part, amplitude data and phase data are extracted from a transmit data signal and outputted. The amplitude of the amplitude data is modulated in an amplitude modulating part and an amplitude modulating signal is outputted; the phase of the phase data is modulated and a phase modulating signal is outputted. In a non-linear amplifying part, the phase modulating signal is multiplied by the amplitude modulating signal to output an RF signal with a prescribed gain amplified. A delay part provided in a pre-stage of the amplitude modulating part and a delay part provided in a pre-stage of the phase modulating part, respectively, adjusts the delay time of an amplitude signal path and a phase signal path.